

# Peltier Cooler - 196W



**RoHS  
Compliant**



## Features

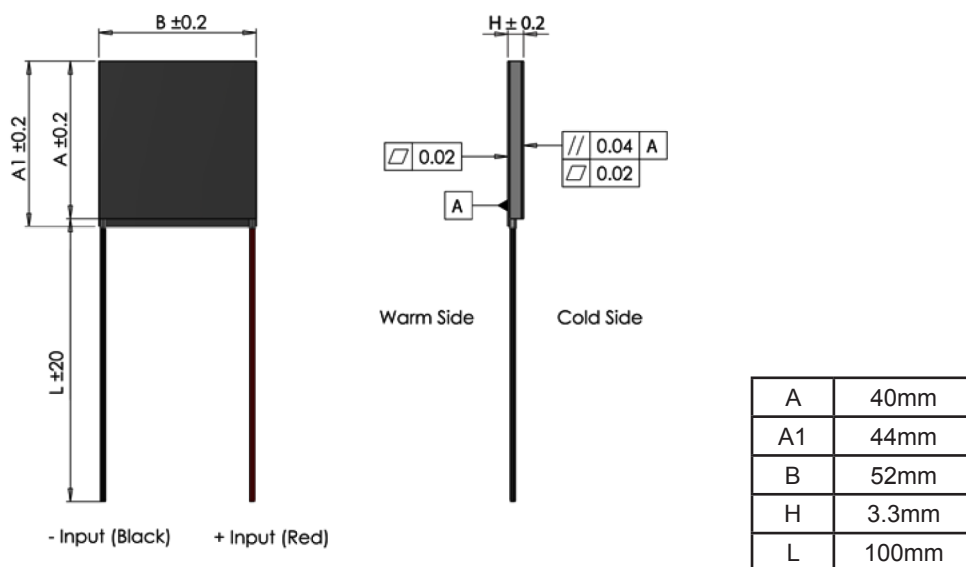
- Solid-state reliability
- High integrity nickel diffusion barriers on elements
- High strength for rugged environments
- Porch style for enhanced lead wire strength
- Sealed & lapped for multi-module applications

## Specifications

I <sub>max</sub>	9A
V <sub>max</sub>	35.9V DC
P <sub>c max</sub>	196W
ACR	3.1Ω
ΔT <sub>max</sub>	68°C
Max hot side temperature	90°C

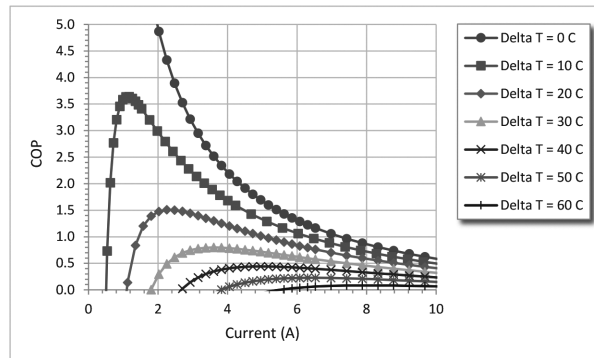
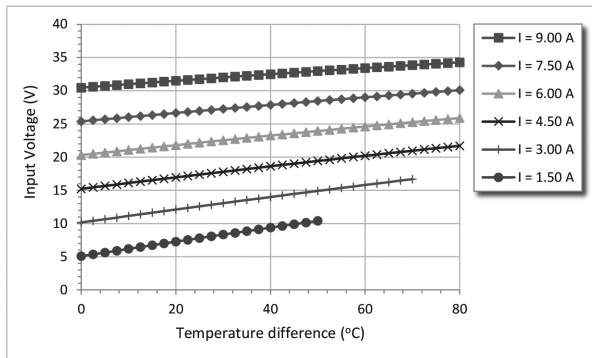
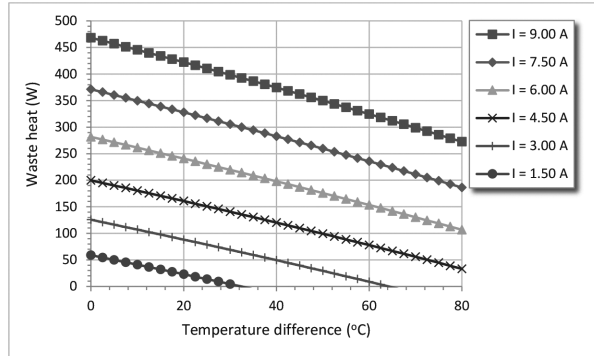
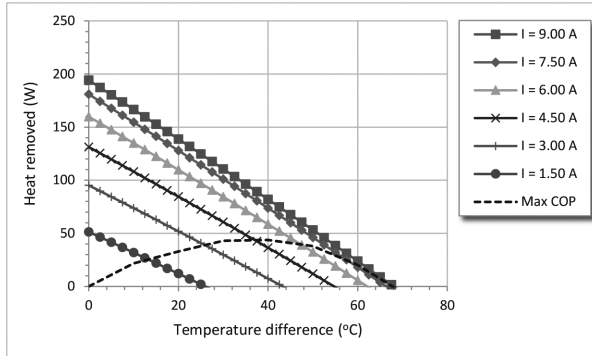
Internal resistance is measured by AC 4-terminal method at 25°C. I<sub>max</sub> is the current at deltaT<sub>max</sub>. V<sub>max</sub> is the voltage at deltaT<sub>max</sub>. Q<sub>max</sub> is the cooling capacity at I<sub>max</sub>, V<sub>max</sub> and deltaT = 0°C. T<sub>max</sub> is the temperature difference at I<sub>max</sub>, V<sub>max</sub> and Q=0W (Max parameters are measured in a vacuum).

## Diagram

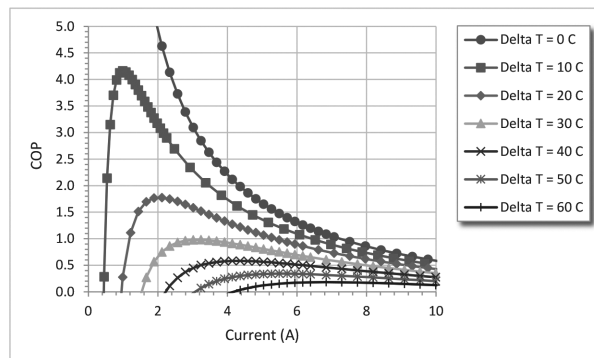
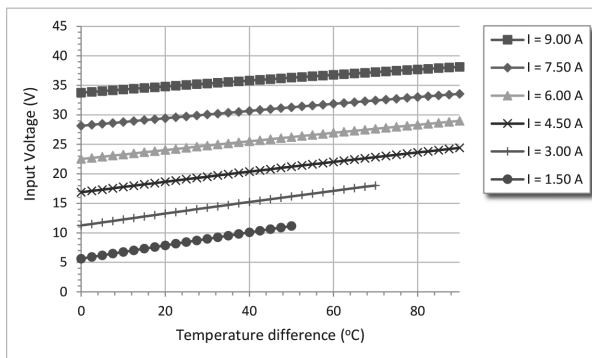
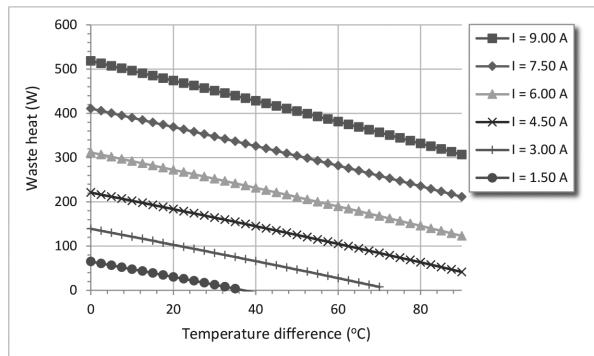
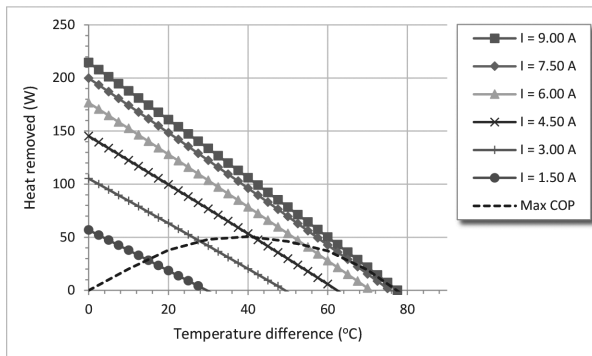


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## At hot side temperature 25°C

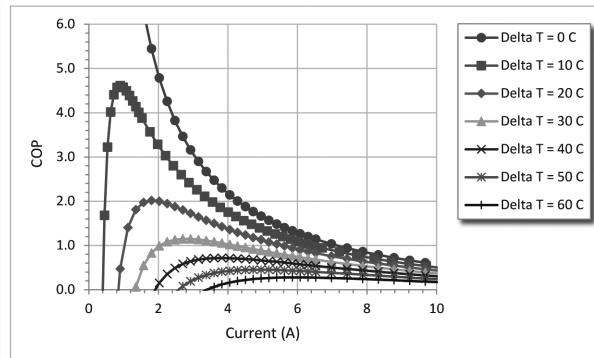
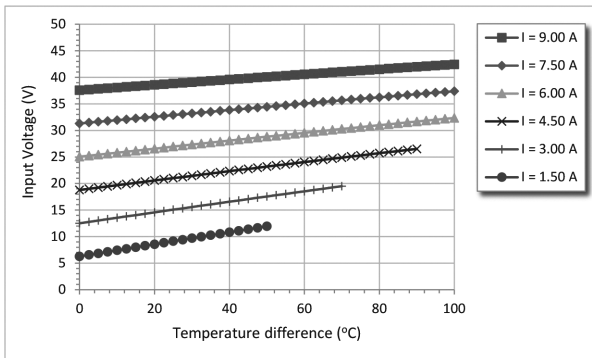
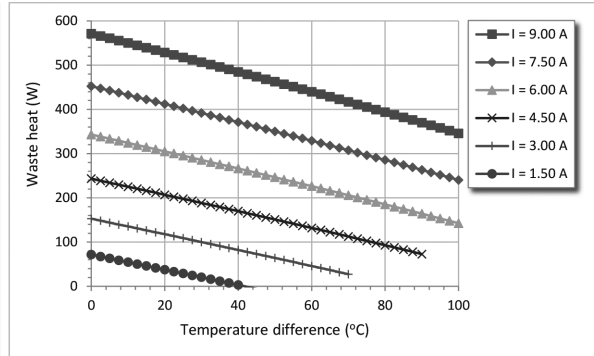
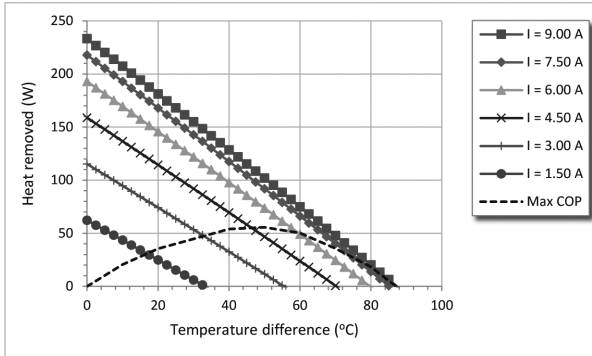


## At hot side temperature 50°C



# Peltier Cooler - 196W

At hot side temperature 75°C



## Part Number Table

Description	Part Number
Peltier Cooler, 196W	MCHPE-288-10-05-E